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8.32.1 Viewshed

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Viewshed	Place Regeneration Green Space Management
Description and justification	Some NBS could contribute to enhance landscape enjoyment increasing the amount of perceivable scenic sites. If the project foreseen the built of new natural trails, the scenic enjoyment of new viewsheds could be a co-benefit for population and tourists.
Definition	A viewshed is the geographical area that is visible from a location. It includes all surrounding points that are in line-of-sight with that location and excludes points that are beyond the horizon or obstructed by terrain and other features (e.g., buildings, trees). This Indicator could be calculated both in the Baseline Scenario taking into account the viewshed from all the scenic sites already existing, and in the Design Scenarios (e.g., NBS Scenario, Hybrid Scenario, Grey Scenario) considering, in addition, the new scenic sites created by the project.
Strengths and weaknesses	It is easy to be estimated and rapidly provides information concerning the benefits achievable in terms of landscape perception. It could be difficult to find accurate data concerning digital terrain models.
Measurement procedure and tool	Given the vector data of the scenic site locations (point features) and a digital terrain model of the study area, common GIS software tools allow to achieve.

	The viewshed of a scenario is equal to the envelope of the viewshed obtained considering each scenic sites in the study area. In the Design Scenarios (e.g., NBS Scenario, Hybrid Scenario, Grey Scenario) the viewsheds from the new scenic sites created by the project have to be taken into account too.
Scale of measurement	km ²
Data source	Project team; Regional or Municipal Geographic Information System
Required data	Project layout map (vector data); Digital terrain model
Data input type	Maps; Vectorial and Raster data
Data collection frequency	
Level of expertise required	High
Synergies with other indicators	
Connection with SDGs	3
Opportunities for participatory data collection	
Additional information	
References	

8.33 Satisfaction with green and blue spaces

Project Name: proGIreg (Grant Agreement no. 776528)

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Satisfaction with green and blue spaces	Green Space Management
Description and justification	Satisfaction with green and blue spaces is an indicator of the quality of these spaces. The quality of green and blue spaces is not only an important determinant of use of those spaces but also a potential modifier of the health effects of these spaces. The implementation of nature-based